

>AF249738 ACCESSION:AF249738 NID: gi 8571425 gb AF249738.1 AF249738
Mus musculus Pb99 gene sequence
Length = 2127

Score = 358 bits (910), Expect(3) = 0.0
Identities = 210/293 (72%), Positives = 233/293 (80%)
Frame = +1

Query: 206 RPPPNMTLTCVFDVTKGTTGDWSSEGCSTEVRPEGTVCCCDHLTFFALLLRPTLDQSTV 265
R P N+ LTCVFD+ KG DW S CST TVC CDHLTFFALLLRP LD +T
Sbjct: 748 RSPHNVILTCVFDMAKG---DWDSH-CSTVPGDGRVTCRCDHLTFFALLLRPILDLATA 915

Query: 266 HILTRISQAGCGVSMIFLAFTIILYAFLRLSRERFKSEDAPKIHVALGGSFLFLNLAFVLV 325
LTRISQAG VSMIFLAFT++LY R S +RFKSEDAPKIH+AL SLFLNL FL
Sbjct: 916 QTLTRISQAGSAVSMIFLAFTMVLVYAFRFSLQRFKSEDAPKIHMAISISLFLNLTLFLI 1095

Query: 326 NVGSGSKGSDAACWARGAVFHYFLLCAFTWMGLEAFHLYLLAVRVFNTYFGHYFLKLSLV 385
NVGS S+G A+CW R A+FYFLLC FTWMGLEAFHLYLLA+RVFNTYFGHYFLKLSL+
Sbjct: 1096 NVGSSSQGPPASCWVRAAIFHYFLLCVFTWMGLEAFHLYLLAIRVFNTYFGHYFLKLSLL 1275

Query: 386 GWGLPALMVIGTGSANSYGLYTIRDRENRTSLELCWFREGTTMYALYITVHGYFLITFLF 445
WGLP L+VIG GS+NSYG+YTIRD+ENRTSLELCWF++ ALY TVHGYFL+TFLF
Sbjct: 1276 AWGLPVLVIGAGSSNSYGVYTIRDQENRTSLELCWFQKEP---ALYATVHGYFLVTFLF 1446

Query: 446 GMVVLALVVWKIFTLSRATAVKERGKNRKKVLTLLGLSSLVGVTWGLAIFTPL 498
G VVLALV WKIFTL TA K +G K VLT+LGLSSLVG+TWGLA+ TPL
Sbjct: 1447 GAVVLALVAWKIFTLPSVTAGKGQGPWKSVLTVLGLSSLVGMTWGLAVLTPL 1605

Score = 245 bits (618), Expect(3) = 0.0
Identities = 129/215 (60%), Positives = 159/215 (74%), Gaps = 2/215 (0%)
Frame = +2

Query: 1 MATPRGLGALLLLLLLPTSGQEKPTGPRNTC--LGSNNMYDIFNLNDKALCFTKCRQSG 58
MAT R LG L LLL + E+ TE PRN C L + YD F+LND A CFTKC QS
Sbjct: 17 MATARSLGLLFFLLL---TSDEETTEEPRNVCRRLOEGHEYDTFDLNDTAQCFTKCGQSE 187

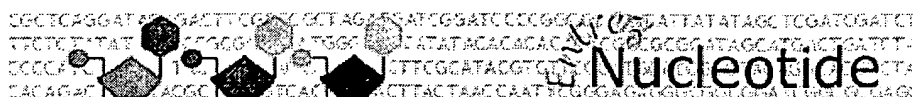
Query: 59 SDSCNVENLQRYWLNIEAHLMEGLTQKVNTPFKALVQNLSTNTAEDFYFSLEPSQVPR 118
C+V NLQRYWLNIE++L++ + + V+ PF+KAL+QN+ST+ +ED +SL SQ+PR
Sbjct: 188 HSPCDVGNLQRYWLNIESYLLENSM-ETVDMFPVKALIQNISTDVSIEDLLYSLMLSQIPR 364

Query: 119 QVMKDEDKPPDRVRLPKSLFRSLPGNRSVRLAVTILDIGPGTLFKGPRLGLGDGSGVLN 178
QVM+ ED+P D VRLPKSLF +LPGNRS VRLA+T+LDIG G +FKGP+L GS VLN
Sbjct: 365 QVMQGEDEPADGVRLPKSLFGALPGNRSVRLAITVLDIGAGNVFKGPKLLEDKGSSVLN 544

Query: 179 NRLVGLSVGQMHVTKLAEPLEIVFSHQRPNNMTL 213
NR+VGLSVGQMH T L+EP+EI FSH+R PP M L
Sbjct: 545 NRMVGLSVGQMHAATGLSEPVEITFSHERQPPAMIL 649

Score = 84.7 bits (206), Expect(3) = 0.0
Identities = 41/54 (75%), Positives = 45/54 (82%), Gaps = 1/54 (1%)
Frame = +3

Query: 497 PLGLSTVYIFALFNSLQGVFICCWFTILYLP SQSTTVSSS-TARLDQAHSASQE 549
P GLST+Y+F L NSLQG+FI CWF ILY P+QSTT SSS TARLDQAHS SQE
Sbjct: 1599 PPGLSTIYVFTLLNSLQGLFIFCWFIIIFYPTQSTTASSSGTARLDQAHSVSQE 1760



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□ 1: AF249738. *Mus musculus* Pb99...[gi:8571425]

Links

LOCUS	AF249738	2127 bp	DNA	linear	ROD 18-JUN-2000
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DEFINITION Mus musculus Pb99 gene sequence.

ACCESSION AF249738

VERSION AF249738.1 GI:8571425

KEYWORDS

SOURCE *Mus musculus* (house mouse)

ORGANISM *Mus musculus*

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1 (bases 1 to 2127)

AUTHORS Sleckman, B.P., Khan, W.N., Xu, W., Bassing, C.H., Malynn, B.A.,
Copeland, N.G., Bardon, C.G., Breit, T.M., Davidson, L., Oltz, E.M.,
Jenkins, N.A., Berman, J.E. and Alt, F.W.

TITLE Cloning and functional characterization of the early-lymphocyte-specific Pb99 gene

JOURNAL Mol. Cell. Biol. 20 (12), 4405-4410 (2000)

MEDLINE 20285444

PUBMED	10825203
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REFERENCE 2 (bases 1 to 2127)

AUTHORS Sleckman, B.P., Khan, W.N., Xu, W., Oltz, E.M., Berman, J.E. and Alt, F.W.

TITLE Direct Submission

JOURNAL Submitted (25-MAR-2000) Medicine/HHMI, Children's Hospital, Harvard
Medical School, Longwood Ave., Boston, MA 02115, USA

FEATURES	Location/Qualifiers
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/gene="early-lymphocyte-specific Pb99 gene"

BASE COUNT	432 a	609 c	550 g	536 t
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